USER GUIDE

SOFTWARE APPLICATION
NOTEBOOK

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❖ Technical Support

If a problem arises with your system and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, you may contact our technical staff for further guidance at: http://support.msi.com/

❖ Revision History

Version	Revision History	Date
1.0	Latest Released	12, 2020

❖ About This Manual

This Software Application User Guide provides instructions and illustrations on installing and using the software applications.

The software applications selected here may be optionally supported for particular models. Contact the local dealer for further information if necessary.

Nahimic 3 (for selected models only) **6**

Nahimic 3 is designed to give users the best audio experience, offering various audio effects and automatic recording function.

SteelSeries Engine 3 (SSE 3) (for selected Gaming Series only) **16**

SteelSeries Engine 3 allows user to have full control over keyboard bindings and to customize the color, effects, and levels of illumination on your notebook.
The new software suite also offers cross platform support for all SteelSeries products and features a cloud syncing system to make sure you always have your profiles wherever you are.
SteelSeries Engine 3 is only available in GT, GS, GE Gaming Series only.

MSI True Color (for selected models only) **40**

MSI True Color allows users to select the best color setting for the content being viewed. It characterizes and controls laptop panels for precise image presentation. When the application is launched, the display automatically changes to the assigned color setting.

Note

❖ Nahimic 3

Nahimic 3 is designed to give users the best audio experience, offering various audio effects and automatic recording function. Find the Nahimic launching icon on the desktop or the system tray in the lower right-hand corner of screen. Click on this icon to launch the Nahimic 3 application.

Main Window

Nahimic 3's UI is composed of a main window with 4 tabs, which are Audio, Microphone and Sound Tracker, and Settings.

Audio

1. **Device display and volume**
   Displays the type of recording device currently being used as input, as well as its current volume.
2. **Mute**
   Mutes the current audio device.
3. **Audio profiles**
   Allows you to choose between 4 factory audio profiles to fit your multimedia experience (Music, Gaming, Movie or Communication). All profiles can be modified as you wish.
4. **On/Off botton**
   Allows you to turn all of Nahimic 3's audio effects on and off in one click.

5. **Surround Sound**

   Surround Sound is an audio effect mainly dedicated to headphones acoustic experience. Here is what it does.

   - Gaming and Movies

     Virtualizes the multichannel audio stream from the game engine or the movie soundtrack and downmixes it in order to retrieve a multichannel listening experience over your stereo headphones or speakers.

   - Music

     Expands the stereo for a wider sound stage.

6. **Volume Stabilizer**

   This compressor maintains a constant volume for all elements of the audio experience (dialogs, soundtrack, explosions, etc.) to make them all sound softer, balanced or louder. The Quiet On / Off option allows to enter a night mode by removing some basses. This way, you won't disturb people around you if you're using speakers to play your media.

7. **Voices**

   Boosts (or removes) the speech in movies, video games and incoming communication from -12 to +12 dB. eded.

8. **Bass**

   Increases (or decreases) the energy in low frequencies from -12 to +12 dB.

9. **Treble**

   Increases (or decreases) the energy in high frequencies from -12 to +12 dB.

10. **Reset**

    Restores the current profile to its default settings.

11. **Try**

    Launches an audio sample that allows to test audio settings.

Microphone

1. **Device display and volume**
   Displays the type of recording device currently being used as input, as well as its current volume.
2. **Mute**
   Mutes the current audio device.
3. **Mic profiles**
   Allows you to choose between 2 factory mic profiles to fit your experience (Chat or Conference). All profiles can be modified as you wish.
4. **On/ Off botton**
   Allows you to turn on and off all Nahimic 3's microphone effects in one click.
5. **Static Noise Suppression**
   The Static Noise Suppression removes the static noises like the ones coming from your computer fans.
6. **Echo Cancellation**
   Improves the voice quality by cancelling the echo.

7. **Lateral Sound Cancellation**

   Only records the sound coming from the front of your microphone.

8. **Voice Stabilizer**

   Levels the volume of your voice in order to avoid any saturation and maintains a constant and clear communication.

9. **Reset**

   Restores the current profile to its default settings.

10. **Try**

    Turns the microphone loopback On/Off.

Sound Tracker

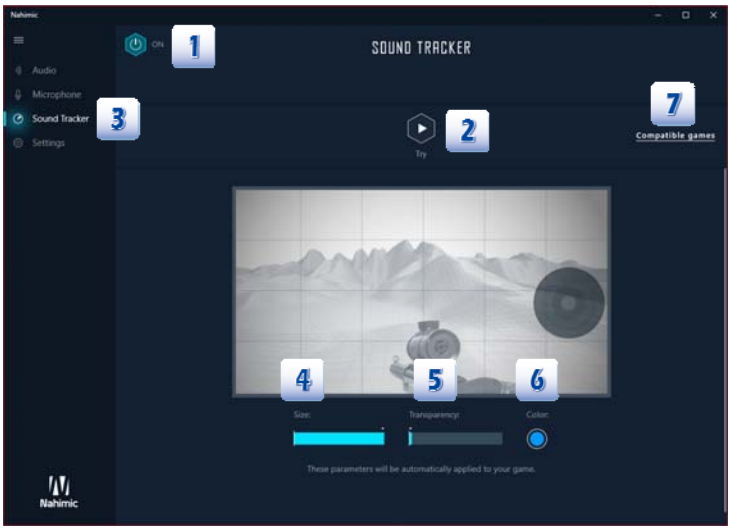
The Sound Tracker is an FPS oriented feature that provides a visual indication localizing the sources of the sounds while in a game.

These are represented by dynamic segments pointing the direction of the sounds: the more opaque they are, the stronger the sounds are.

Thanks to this feature, players are able to pick up an approaching threat more definitively and easily, thereby being even more dynamic.

The Sound Tracker captures the 5.1 and 7.1 sound streams processed by your audio system, and is displayed in all applications and games using DirectX 9, 9c, 10 and 11.

You can refer to the official games list that is supported by the Sound Tracker by clicking the link on the top right of the screen



1. **ON / OFF Button**

   You can disable the Sound Tracker by switching this option OFF.

2. **Try**

   Launch a 7.1 audio sample allowing you to preview how the radar will react in your game.

3. **Sound Tracker**

   You can place the Sound Tracker wherever you want on your screen with a drag and drop action, or with a simple click.

4. **Scale**

   Adjust the scale of the Sound Tracker, making it look bigger or smaller.

5. **Transparency**

   Adjust the transparency of the Sound Tracker, making it look more or less discrete.

6. **Color**

   Click the colored circle to open the color edition window. You can apply the color you want to the dynamic segments

7. **Compatible games**

   Clicking this link opens the official Nahimic website, and leads to the list of compatible games able to display the Sound Tracker.

Sound Sharing

Sound Sharing allows users to share the system audio on two Bluetooth headphones. It would be great to share movies, music, or video games with a friend. The feature is designed for Bluetooth headphones only.

1. **ON / OFF button**

   Turn the Sound Sharing function ON or OFF.

2. **Select your Bluetooth headphones**

   Two Bluetooth headphones can be connected to the notebook, and users are allowed to select either one of them. Before use this function, make sure your Bluetooth devices are connected to the notebook properly.

3. **Adjust each headphone's volume**

   Use the scrolling bar the adjust the sound volume of each headphone.

4. **Mute the headphone**

   Mute the volume of each headphone.

Settings

1. **Language**

   The language of Nahimic 3's UI is based on the OS language. However, you can manually change the language in the preferences window (English, Simplified Chinese, Traditional Chinese, French, German, Italian, Spanish, Japanese, Korean, Russian, Portuguese or Polish). Warning: only the languages already installed on your machine in your Region & language options will appear in the list. **Reset All**

   Reset all the settings back to defaults.

2. **Version and website**

   Access the current version of Nahimic 3 installed on your computer, and get to the official website.

3. **Social media**

   Get to our social media pages to discover Nahimic's universe.

4. **Help us improve Nahimic**

   When you enable analytics, you help us improve Nahimic by sharing your user's experience. This let us know more about your habits with Nahimic and adapt better the user experience we offer.

5. **Support**

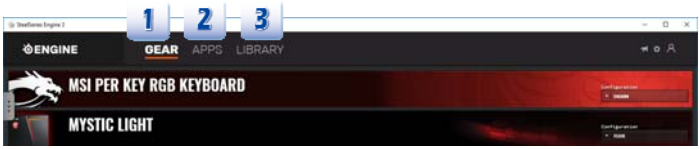
   You can ask for help or just for a question on our dedicated support pages.

Note

❖ SteelSeries Engine 3 (SSE 3)

With SSE3, you can customize your key binds, macros, and illumination settings for your MSI keyboard.
Note that SteelSeries Engine 3 is only available in selected Gaming Series only.

Main Window



1. **GEAR**

   The **GEAR** tab lists recognized SteelSeries devices which can be clicked to access advanced settings.

2. **APPS**

   Apps is a collection of in-game integration and purpose-built applications that deliver custom-designed benefits.

3. **LIBRARY**

   The **LIBRARY** tab shows what programs trigger a configuration for each device.

GEAR

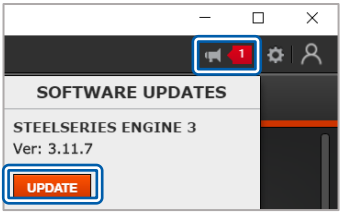
To customize illumination settings, macros and binds for your MSI Per Key RGB keyboard.

- **Device Cards**

  When you connect a SteelSeries device, SteelSeries Engine 3 remembers it and adds a **Device Card** to GEAR.

- **SOFTWARE UPDATES**

  The megaphone at the top right corner of the Main Window is the Notification Icon. When it indicates that an update is available, select the icon to open the SOFTWARE UPDATES Dropdown. Click **[UPDATE]** to get the latest verion.

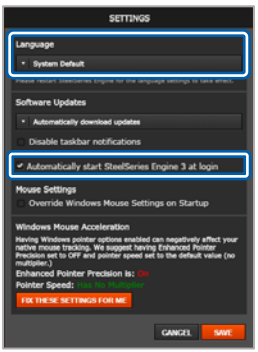


- **Application Settings**

  In Settings you can change languages and choose whether you want SteelSeries Engine 3 background processes to run automatically when you start-up your computer.

  Language selection

  Open **SETTINGS** by selecting the gear icon at the top right corner of the Main Window. To change languages, select a language from the dropdown, select **[SAVE]**, close the interface, and then reopen it.

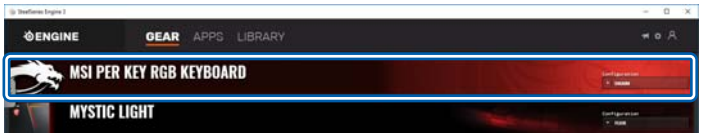

SETTINGS
Language
System Default
Software Updates
Automatically download updates
Disable taskbar notifications
Automatically start SteelSeries Engine 3 at login
Mouse Settings
Override Windows Mouse Settings on Startup
Windows Mouse Acceleration
Having Windows pointer options enabled can negatively affect your native mouse tracking. We suggest having Enhanced Pointer Precision set to OFF and pointer speed set to the default value (no multiplier.)
Enhanced Pointer Precision is:
Pointer Speed:
FIX THESE SETTINGS FOR ME
CANCEL
SAVE

  Automatic start

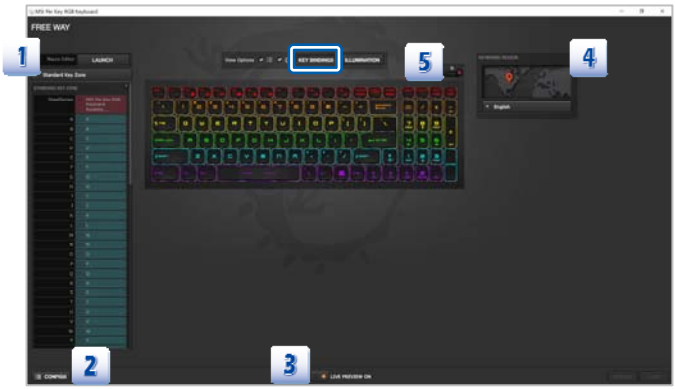
  Selecting Automatic Start will start SteelSeries Engine background processes automatically when you start-up your computer. Automatically starting the background processes means that configurations will immediately be deployed to your devices without interrupting your experience.

KEY BINDINGS

Click **MSI PER KEY RGB KEYBOARD** to start.



Users can customize your key binds, macros, and illumination settings.



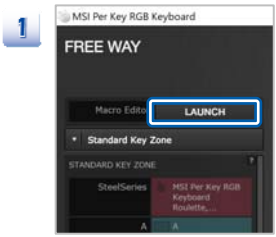
1. **Macro Editor:** SteelSeries has a dedicated macro manager that you can launch by hitting the button on top of the list of keys. This is where you can save or remove macros.
2. **Configs:** You can also open a configuration window on the left, where you can access, create and edit your various profiles.
3. **Live Preview:** gives you the full experience of your configuration's look, feel, and sound while you are editing it.
4. **Keyboard Region:** Use this widdget to change the appearance of the software so that it corresponds with your physical keyboard.
5. **View Options:** Show or to hide Macro Editor, Configs and Keyboard Region.

■ **Macro Editor**

Some SteelSeries devices allow you to use macros to perform a series of actions with the click of a button. They can include any custom combination of key and button presses.

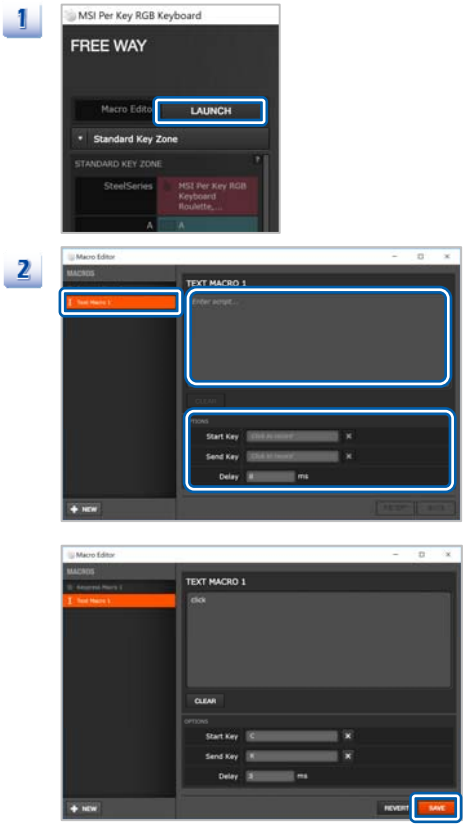
Keypress Macro

1. Clicking the **[LAUNCH]** button brings up the Macro Editor settings.
2. Select Keypress Macro. Set Delay Options for your liking then click **[START]** to record the macro. Click **[STOP]** to stop recording and click **[SAVE]** to close. C+Space is defined here.
3. Click Space bar of the keyboard. Select Macros in the drop-down menu and then the macros you just defined. Choose **[DONE]** to close and **[SAVE]** in the main screen to finish.



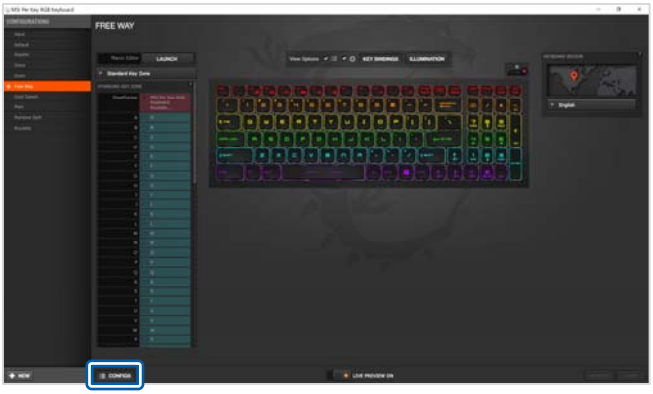
Text Macro

1. Clicking the **[LAUNCH]** button brings up the Macro Editor settings.
2. Select Text Macro. Enter Scripts in Text Macro and options fields and click **[SAVE]** to finish.



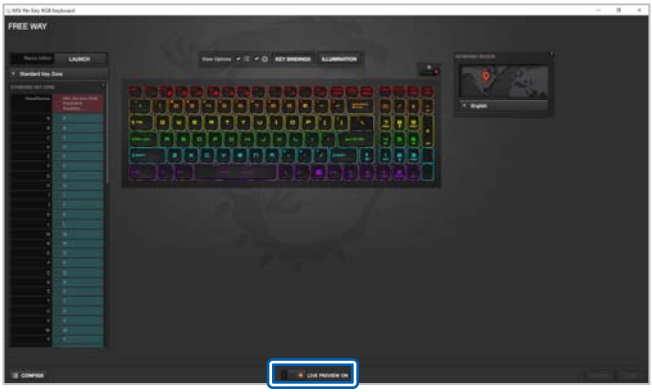
■ **CONFIGS**

Click **[CONFIGS]** to find out more available configurations.



■ **LIVE PREVIEW**

Live Preview gives you the full experience of your configuration's look, feel, and sound while you are editing it. Live Preview can be turned on and off by selecting the toggle.



■ **KEYBOARD REGION**

Use this widget to change the appearance of the software so that it corresponds with your physical keyboard.

■ **View Options**

View options allow you to show or to hide Macro Editor, Configs in the left and keyboard region in the right.

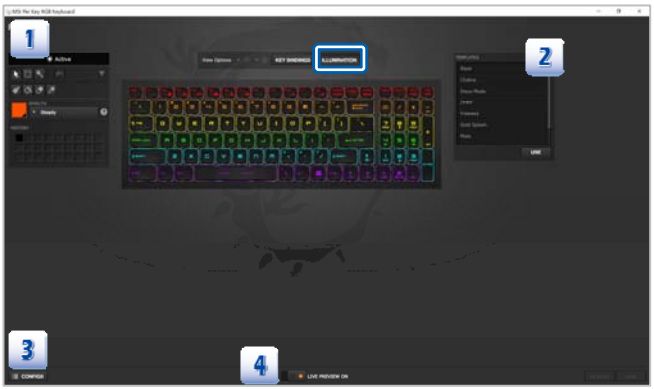
Default: both

Uncheck Left

Uncheck

ILLUMINATION: Setting up your Per-key RGB backlight KB

With per-key RGB illumination, change the color of the individual keys on a MSI SteelSeries backlit keyboard.



1. **Manual Customization**

   Create your own color schem with tools.

2. **Select from Templates**

   Select from one of SteelSeries pre-made layouts.

3. **Configurations**

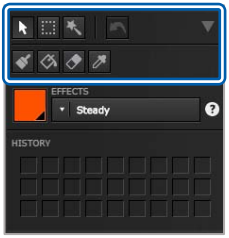
   one of SteelSeries pre-made layouts.

4. **Live Preview**

   Live Preview gives you the full experience of your configuration's look, feel, and sound while you are editing it. Live Preview can be turned on and off by selecting the toggle.

■ **Manual Customization**

With the tools on the left of the Window, you can literally configure each and every key. Select the designated key(s), area, or adjacent keys with the selection tools, then choose the color you want to apply.

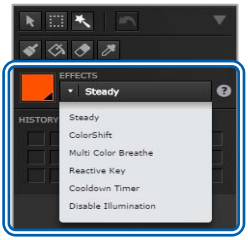


Tools

	Select: Click the zone(s) you want to edit. Use Shift to add to selection.
	Group Select: Drag a box around the zones you want to edit.
	Magic Wand: Click on a zone to select all zones that share the same effect.
	Undo: Undo the last change made in effect Settings.
	Paintbrush: Paint the current effect settings on other zones.
	Paintbucket: Fill the zones that are touching with the current effect settings.
	Eraser: Remove effect from zone and reset it to the default effect.
	Effect Picker: Click on a zone to select its effect settings without changing zone selecting.

Effects

Select **EFFECTS** from the dropdown menu. Available options: Steady, ColorShift (both stationary and in Wave Modes), Multi Color Breathe, Reactive Key, Cooldown Timer and Disable Illumination.



- **Steady**: When Steady is applied to one or more keys, they will be illuminated with a single color. Use the color picker to the left to choose a color.
- **ColorShift**: Add colors to the sequence by clicking near the bottom edge of the gradient. Remove colors by dragging them down. Change colors by clicking on the swatches. Wave Mode will make the colors sweep across the keyboard in waves. When Wave Mode is enabled, click **[SET ORIGIN]** to change the starting point of the wave.

- **Multi Color Breathe**: Add up to four colors using the editor below.
- **Reactive Key**: A key will normally be the rest color, but when pressed will light up with the active color. Click on the swatches next to Rest Color and Active Color to change the colors of the effect.
- **Cooldown Timer**: Cooldown Timer will cause affected keys to change from the Ready Color to the Cooldown Color for the duration of the Timer field value.
  Note: Cooldown Timer feature only works when SteelSeries Engine 3 is running.
- **Disable Illumination**: Disable Illumination turns off illumination on affected keys.

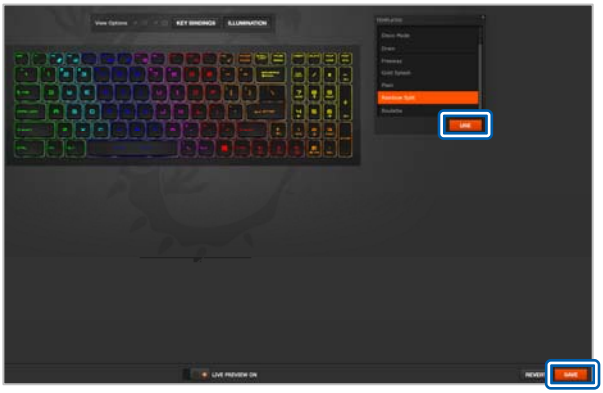
■ **Select from Templates**

The easiest way to start is to select from the various built-in presets. Simply click on any of the presets and click on **[USE]** to enjoy the results. Click on **[SAVE]** if you find one that suits your style. Templates are lighting patterns that will affect the whole keyboard when applied. They will overwrite any existing illumination effects. Here are some templates.

Freeway

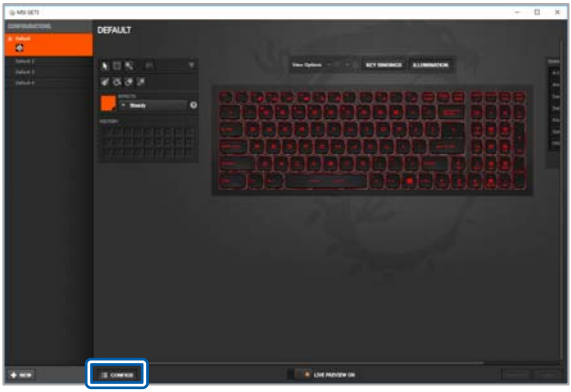
Plain

Rainbow Split



■ **CONFIGS**

You can also open a configuration window on the left, where you can access, create and edit your various profiles.



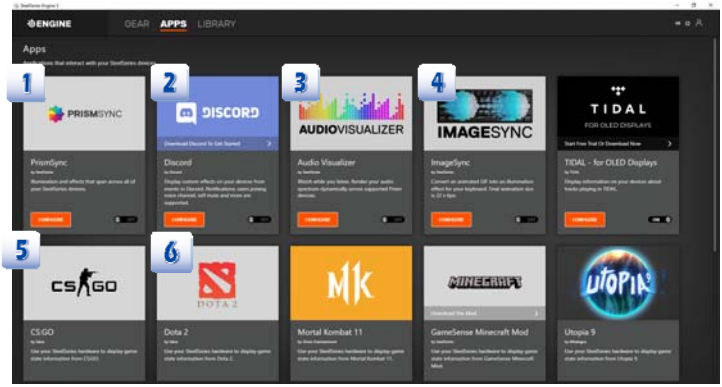
■ **PREVIEW**

Live Preview gives you the full experience of your configuration's look, feel, and sound while you are editing it. Live Preview can be turned on and off by selecting the toggle.

APPS: GameSense

GameSense is the building block for creating Apps. It's the Software Development Kit that allows games and applications to deliver information to your OLED screen, trigger tactile alerts, and create RGB effects and more on your supported SteelSeries gear.

Here you will find a collection of all apps that work with GameSense. Click on **[CONFIGURE]** to get in the configuration panel. Below shows all applications that interact with your SteelSeries devices.



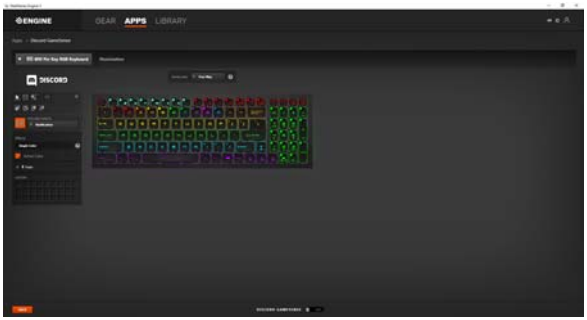
1. **PrismSync**
   Illumination and effect that span across all of your SteelSeries devices.
2. **Discord**
   Display custom effects on your devices from events in Discord. Notifications, users joining voice channel, self mute and more are supported.
3. **Audio Visualizer**
   Watch while you listen. Render your audio spectrum dynamically across supported Prism devices.
4. **ImageSync**
   Convert an animated GIF into an illumination effect for your keyboard.
5. **CS:GO**
   Use your SteelSeries hardware to display game state information from CS:GO.
6. **DOTA 2**
   Use your SteelSeries hardware to display game state information from DOTA 2.

- **PrismSync**

  Sync dynamic RGB lighting effects between your devices in SteelSeries Engine 3. Choose from millions of colors and effects from reactive lighting to interactive lightshows. Adjust the lighting for **Active**, **Idle** and **Reactive** codition.

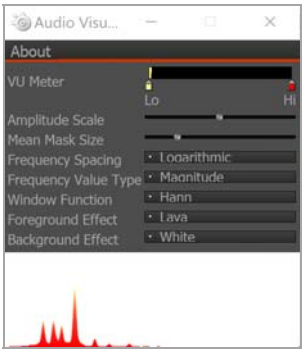
- **Discord**

  Customize lighting effects, haptic notifications, and your OLED screen to indicate real-time Discord notifications such as new messages, your mute status, who's talking, and more.



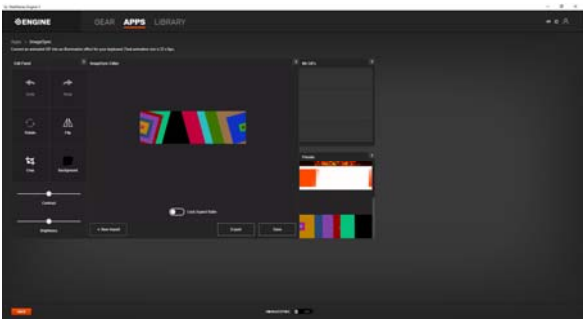
- **AudioVisualizer**

  Watch while you listen. Render your audio spectrum dynamically across SteelSeries Prism-enabled gear.



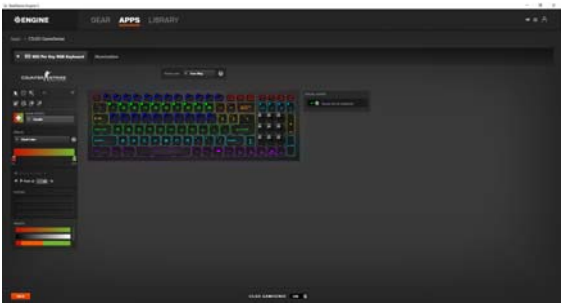
■ **ImageSync**

ImageSync is a first of its kind, programmable tool that creates the most complicated lighting effects in seconds. Quickly convert any animated GIF into an illuminaftion effect for your keyboard. Final animation size is 22 x 6px. Import a GIF to start.



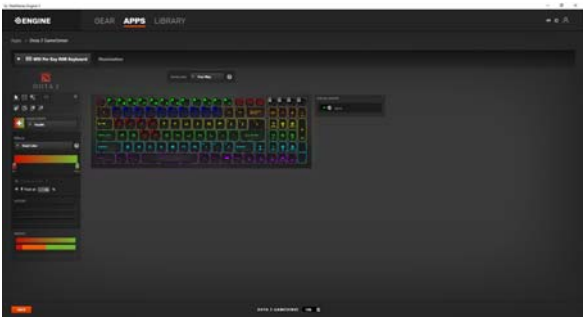
■ **CS:GO**

Use the tools to select the zones to adjust the effects to your personal taste.



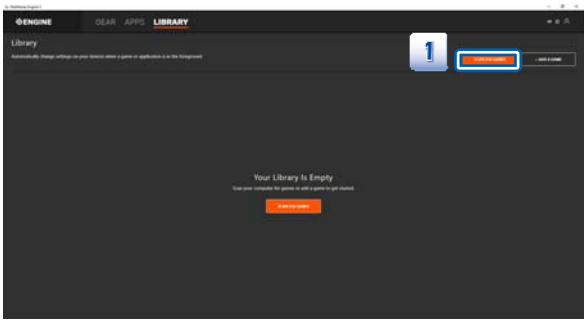
- **DOTA 2**

  Use the tools to select the zones to adjust the effects to your personal taste.



LIBRARY

The **LIBRARY** tab quickly set up your configuration to auto-launch with a game.

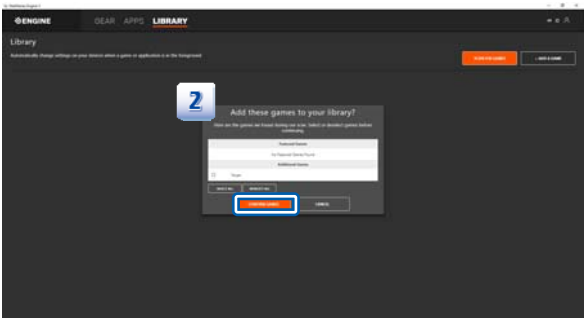


1. SCAN FOR GAMES

This feature automatically finds games installed through several of the most popular gaming services. Click **[SCAN FOR GAMES]** to select games in your library.

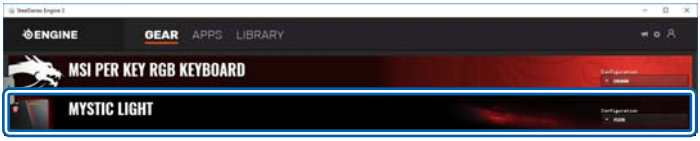
2. ADD A GAME

Featured Games, when added to your library, will also create default lighting configurations for per-key illuminated keyboards that highlight keys used by the game's default key bindings. Click **[ADD A GAME]** to add featured games and additional games in your library.



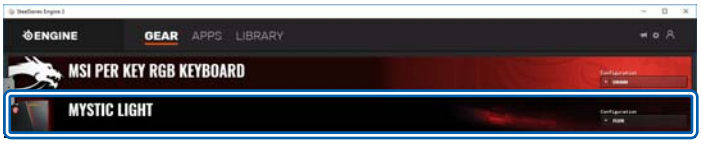
Mystic Light (GE series only)

The configurable lighting scheme integrates with the two speed stripes on the shell that have come to signify the GE range and will cooperate with a variety of popular games to provide color feedback and interaction.



GEAR

Open SSE3, select **GEAR** tab, click **MYSTIC LIGHT** to configure.



- **Templates change**

  Switch between different modes at the **TEMPLATES** scroll to can change the lighting with different pre-set templates.

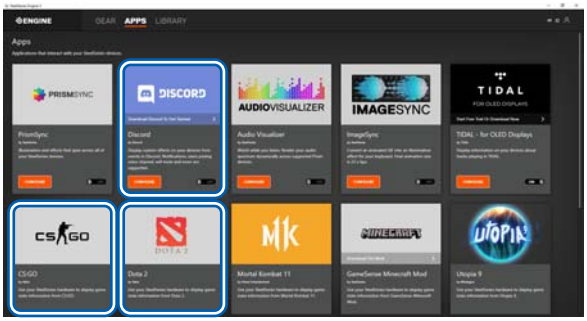
■ **Effect Configuration**

Use the tools to select the Zones to adjust, then select **ColorShift** for instance.

Tools

1. Color of the zones select will cycle through the colors on the bar.
2. Use **SPEED** to adjust how fast the color cycles.
3. Create more light patterns by using **Wave Mode** to adjust the origin, behavior and wavelength.

ENGINE APPS



- **DISCORD**

  Display custom effects on your devices from events in Discord. Notifications, users joining voice channel, self mute and more are supported.

■ **CS:GO**

Use the tools to select the zones to adjust the effects to your personal taste.

■ **DOTA 2**

Use the tools to select the zones to adjust the effects to your personal taste.

Note

❖ MSI True Color

MSI True Color allows users to select the best color settings for the displayed contents. It can customize and control laptop panels for precise image presentation. When the application is launched, the display will automatically adapt to the assigned color settings.

When the True Color application is successfully installed, its launching icon will appear in the system tray. Click on this icon to launch.

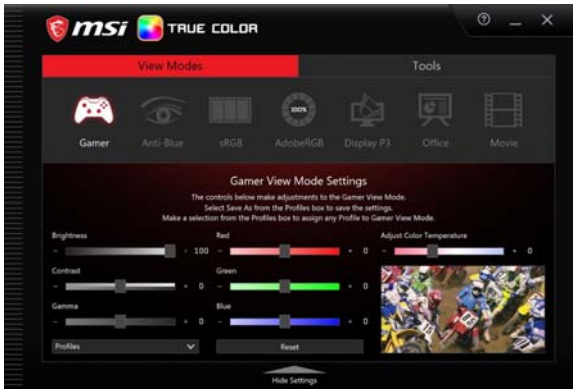
Gaming / Content Creation Series View Modes

True Color provides different view modes for Gaming and Content Creation Series. Users can quickly switch the view modes based on their need.

Model / Panel	Gaming Series	Content Creation Series
FHD	Gamer/Anti-Blue/sRGB/Office/ Movie	sRGB/Anti-Blue/Office/ Movie/Customize
4K	Gamer/Anti-Blue/AdobeRGB/ Display P3/Office/Movie	sRGB/AdobeRGB/DCI-P3/ Display P3/Anti-Blue/Office/ Movie/Customize

■ **Gaming + FHD**

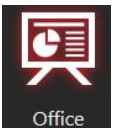
■ **Gaming + 4K**



■ **Creator +FHD**

■ **Creator + 4K**

About View Modes

	For playing games. (Gaming Series only)
	For reducing the amount of blue light that is emitted from the display to reduce eye fatigue.
	For accurate color when viewing images on websites.
	For accurate color when viewing images and other media created in the Adobe RGB color space. (4K panel Only)
	For office and productivity applications.
	For watching movies.

	For accurate color in wida-gamut cinema mode. (4K panel Only)
	For accurate color in wida-gamut cinema mode. (Content Creation Series, 4K panel Only)
	For users to customize their own view mode. (Content Creation Series only)

Crosshair Display (Gaming Series only)

Crosshair Display function provides a virtual crosshair in the center of the screen to help the users aim, and users can adjust the size, position, shape, and color of the virtual crosshair on this settings page.

On the specific models which have on the keyboard, users can quickly turn the Crosshair on/off by pressing Fn-F6. The image that the Crosshair shows is shown below:

The full-screen game must first change the display mode to window mode in the game before using this function.

Note

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